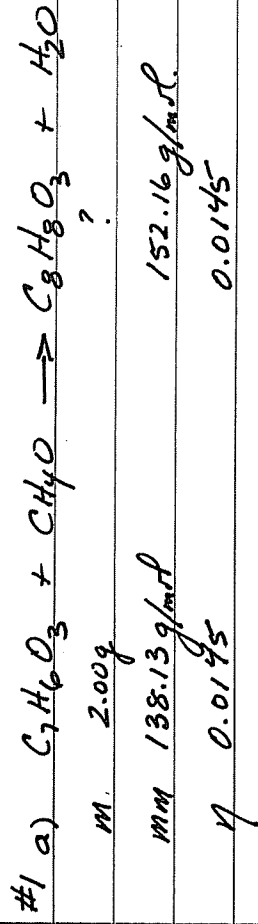
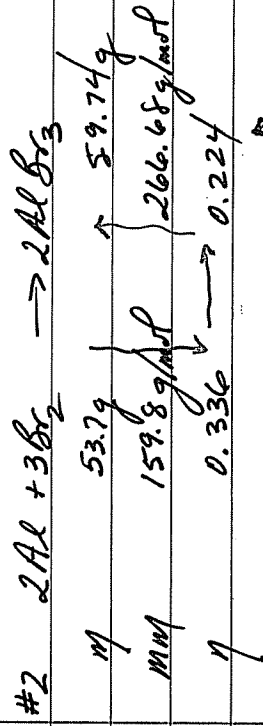


YIELDS IN CHEMICAL RXNS



$$\begin{aligned} \text{THEORETICAL YIELD} &= 1 \times \text{mm} \\ &= 0.0145 \times 152.16 \\ &= 2.21 \text{ g} \end{aligned}$$

b) $\% \text{ YIELD} = \frac{\text{ACT.}}{\text{THEO.}} \times 100\% = \frac{1.67}{2.21} \times 100\% = 74.7\%$



$$\begin{aligned} \frac{3Br_2}{2AlBr_3} &= \frac{0.336}{x} \\ x &= 0.224 \end{aligned}$$

$$\begin{aligned} \% \text{ YIELD} &= \frac{\text{ACT.}}{\text{THEO.}} \times 100\% \\ &= \frac{48.4}{59.74} \times 100\% \\ &= 81\% \end{aligned}$$

